

Title (en)

USE OF COMB POLYMERS AS ANTIFATIGUE ADDITIVES

Title (de)

VERWENDUNG VON KAMMPOLYMEREN ALS ANTIFATIGUE-ADDITIVE

Title (fr)

UTILISATION DE POLYMÈRES EN PEIGNE COMME ADDITIFS ANTIFATIGUE

Publication

EP 2406360 A1 20120118 (DE)

Application

EP 10705866 A 20100225

Priority

- EP 2010052361 W 20100225
- DE 102009001446 A 20090310

Abstract (en)

[origin: WO2010102903A1] The invention relates to the use of comb polymers comprising repeating units in the main chain which repeating units are derived from polyolefin-based macromonomers having a molecular weight of at least 500 g/mol, and repeating units which are derived from low-molecular monomers having a molecular weight of less than 500 g/mol as antifatigue additives in lubricants. The invention further relates to novel comb polymers and methods for the production thereof and to lubricating oils comprising said comb polymers.

IPC 8 full level

C10M 145/14 (2006.01); **C10N 30/06** (2006.01)

CPC (source: EP KR US)

C08F 20/36 (2013.01 - KR); **C08F 290/048** (2013.01 - EP US); **C10M 145/14** (2013.01 - KR); **C10M 149/04** (2013.01 - EP US); **C10M 149/06** (2013.01 - EP US); **C10M 149/10** (2013.01 - EP US); **C10M 149/18** (2013.01 - KR); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2203/1065** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2217/022** (2013.01 - EP US); **C10M 2217/024** (2013.01 - EP US); **C10M 2217/028** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2010102903A1

Citation (third parties)

Third party :

WO 2010102903 A1 20100916 - EVONIK ROHMAX ADDITIVES GMBH [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010102903 A1 20100916; CA 2755057 A1 20100916; CA 2755057 C 20170704; CN 102348789 A 20120208; DE 102009001446 A1 20100923; EP 2406360 A1 20120118; JP 2012520359 A 20120906; JP 5705137 B2 20150422; KR 20110133474 A 20111212; RU 2011140693 A 20130420; RU 2547463 C2 20150410; SG 173835 A1 20110929; US 2011306533 A1 20111215

DOCDB simple family (application)

EP 2010052361 W 20100225; CA 2755057 A 20100225; CN 201080011097 A 20100225; DE 102009001446 A 20090310; EP 10705866 A 20100225; JP 2011553384 A 20100225; KR 20117020960 A 20100225; RU 2011140693 A 20100225; SG 2011061041 A 20100225; US 201013202744 A 20100225